

WHAT IS CLAIMED IS:

1. An infusion port apparatus of a vascular infusion assembly,
comprising:

5 a first post adapted to longitudinally communicate with a
guide post of the vascular infusion assembly;
a second post extending from the first post to form a corner
and communicating with the first post; and

a feeder partially airtightly received in the second post, the
feeder including:

10 a hollow shank having a first end extending into and
received in the second post, and a second end opposite to the
first end of the hollow shank;

multiple holes defined in the hollow shank near the
first end of the hollow shank and laterally communicating with
15 an inner periphery of the hollow shank; and

a resilient ring mounted around the hollow shank to
selectively close the multiple holes in the hollow shank;

wherein a needle hub of a syringe is inserted into the hollow
shank and syringes agent into the hollow shank to gradually raise the
20 pressure in the hollow shank, and the resilient ring outwardly extends
to open the multiple holes in the hollow shank when the pressure value
in the hollow shank is greater than a resilient force of the resilient ring.

2. The infusion port apparatus as claimed in claim 1, wherein

the feeder comprises an enlarged portion formed on the second end of the hollow shank to prevent the feeder from being overly inserted into the second post.

3. The infusion port apparatus as claimed in claim 1, wherein
5 the hollow shank comprises a protrusion radially outwardly extending from the first end of the hollow shank for supporting the resilient ring.

4. The infusion port apparatus as claimed in claim 2, wherein the hollow shank comprises a protrusion radially outwardly extending from the first end of the hollow shank for supporting the resilient ring.

10 5. The infusion port apparatus as claimed in claim 4, wherein the hollow shank has a shoulder radially outwardly extending therefrom near the enlarged portion to define a groove between the enlarged portion and the shoulder, an O-ring mounted in the groove and airtightly abutting an inner periphery of the second post.

15 6. The infusion port apparatus as claimed in claim 5, wherein the feeder comprises a hook extending from a bottom of the shoulder and buckled to the corner to prevent the feeder from detaching from the second post.

7. The infusion port apparatus as claimed in claim 4, wherein
20 the feeder comprises an end piece mounted to the free end of the second post and the hollow shank extending through and partially airtightly received in the end piece, an annular groove defined in a bottom of the end piece and an O-ring received in the annular groove,

the O-ring respectively abutting against an inner periphery of the second post and an inner side of the annular groove to provide an airtight effect between the end piece and the second post.

8. An infusion port apparatus of a vascular infusion assembly,
5 comprising:

a first post adapted to longitudinally communicate with a guide post of the vascular infusion assembly;

a second post extending from the first post to form a corner and communicating with the first post; and

10 a feeder partially airtightly received in the end piece, the feeder including:

a blind hole longitudinally defined in the feeder;

multiple hole defined in the feeder and laterally with the blind hole; and

15 a resilient ring mounted around the feeder to selectively close the multiple holes in the feeder;

wherein a needle hub of a syringe is inserted into the blind hole and syringes agent into the hollow shank to gradually raise the pressure in the blind hole, and the resilient ring outwardly extends to
20 open the multiple holes in the feeder when the pressure value in the blind hole is greater than a resilient force of the resilient ring.

9. The infusion port apparatus as claimed in claim 8, wherein the second post comprises multiple ratchets formed on an inner

periphery of the second post and the feeder comprises multiple ratchet formed on an outer periphery of the feeder, the multiple ratchets of the feeder engaged to the multiple ratchets of the second post to prevent the feeder from detaching from the second post.

5 10. The infusion port apparatus as claimed in claim 8, wherein the feeder comprises an annular groove defined in an outer periphery thereof and the resilient ring has an annular rib radially extending from an inner periphery of the resilient ring, the annular rib of the resilient ring received in the annular groove to prevent the resilient ring from
10 detaching from the feeder.

 11. The infusion port apparatus as claimed in claim 9, wherein the feeder comprises an annular groove defined in the outer periphery thereof and the resilient ring has an annular rib radially extending from an inner periphery of the resilient ring, the annular rib of the resilient
15 ring received in the annular groove to prevent the resilient ring from detaching from the feeder.